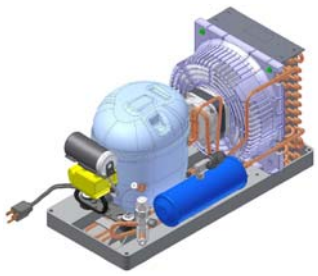
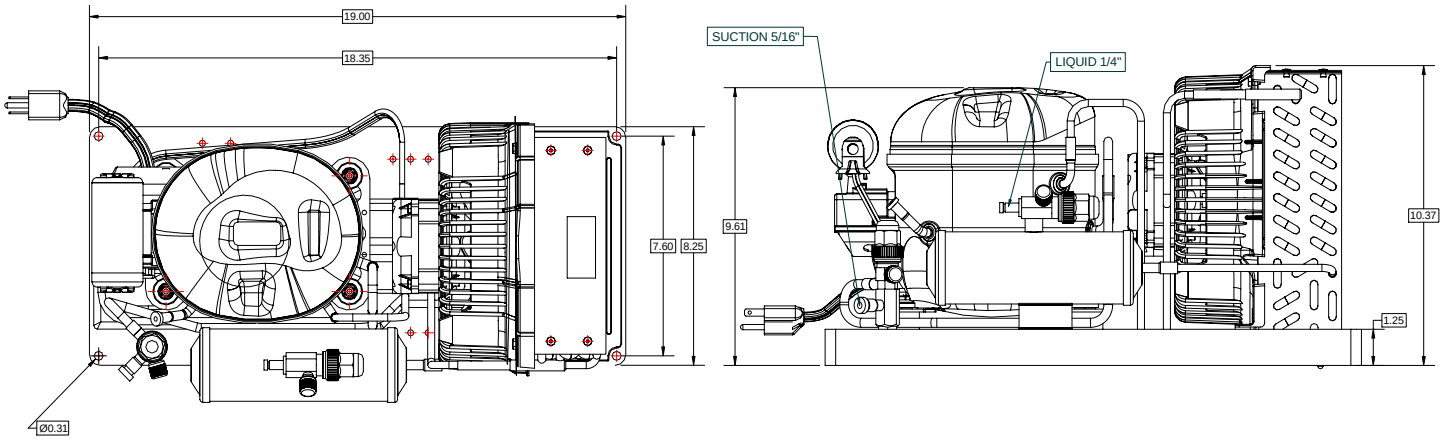
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AE2415Z-AA1AGL, GK, GB, GC**
BOM	**33Y328-2, -3, -4, -5**
Air Cooled	**1/3 HP**
Application	**Low Temp**
Refrigerant	**R404A**
Volts-Hz-Ph	**115-60-1**





Model	Dimensions, inches (mm)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross wt.
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs (kg)
AE2415Z-AA1AGL	19 (483)	8.7 (221)	10.3 (262)	5/16 Sweat	1/4 Sweat	n/a	242	16	39.6 (18)
AE2415Z-AA1AGK									
AE2415Z-AA1AGB		9.7 (246)				1.53			40.2 (18.2)
AE2415Z-AA1AGC				5/16 Valve Sweat	1/4 Valve Sweat	1.85			40.8 (18.5)

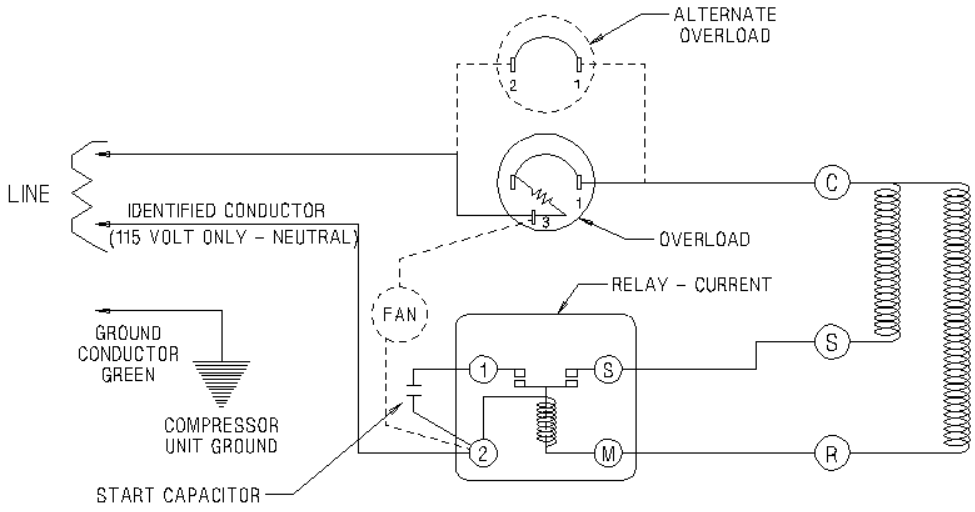
Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures											
		80°F			90°F			100°F			110°F		
°F	Psig	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-30	9.8	910	300	91	820	300	100	740	300	110			
-25	12.9	1040	320	93	940	320	102	850	320	111	750	320	121
-20	16.2	1190	340	95	1070	340	104	960	350	113	850	350	122
-15	19.9	1350	360	97	1220	370	106	1090	370	115	960	370	124
-10	**23.8**	**1520**	**390**	**99**	**1370**	**390**	**108**	**1220**	**400**	**117**	**1080**	**400**	**126**
-5	28.1	1700	410	102	1530	420	110	1370	430	119	1210	430	128
0	32.8	1880	440	104	1690	450	113	1510	460	121	1340	460	130
5	37.9	2070	470	107	1860	480	115	1660	490	124	1470	500	132
10	43.3	2260	500	109	2030	510	118	1810	520	126	1600	530	134

Performance @ 60 Hz, Return gas 40°F, SubCooling 5°F

Parts/Specifications

Unit BOM	**33Y328-2**	Fan Motor	NUT6B09PUN301
Unit MODEL	**AE2415Z-AA1AGL**	Fan Motor RLA	0.58
		Fan Blade	4VEA010
Refrigeration RANGE	-40°F to 10°F	Replacement Fan Motor	9W115
Design Pressure Low	181	F. M., blade, guard assy	YFBG-109
Design Pressure High	450	F. M., blade, guard, shroud assy	
Volts - HZ - Ph	115-60-1		
Voltage Range	126.5 to 103.5	Condenser	50734-G04
Min. Circuit Ampacity	6.8175	Shroud	
Max. Fuse Size	15	Fan Guard	116-003P
Compressor MODEL	AE2415-AA1A	**Unit BOM**	**33Y328-3**
Compressor BOM	AE-1157-E	**Unit MODEL**	**AE2415Z-AA1AGK**
Compressor LRA	32	Power Cord	85106-10
Compressor RLA	4.99	Unit Drawing	DGBU-062
OverLoad	T90731-24-ZP	**Unit BOM**	**33Y328-4**
Replacement Kit - O/L	K90-59	**Unit MODEL**	**AE2415Z-AA1AGB**
Relay	820-10087	Receiver	51085-1H
Replacement Kit - Relay	K71-39	Unit Drawing	DGBU-062R
Run Capacitor			
Run Capacitor Rating		**Unit BOM**	**33Y328-5**
Start Capacitor	85PS165D89	**Unit MODEL**	**AE2415Z-AA1AGC**
Start Capacitor Rating	270-324MFD 165V	Receiver w/Liquid Valve	51085-1HV
		Suction Valve	56580-1
Electrical Diagram	DEAE-10	Unit Drawing	DGBU-062V
Unit Drawing	DGBU-062		



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR

REF. DWG. MD472-1

WARNING - WIRING DIAGRAM MUST BE FOLLOWED AS SHOWN. ANY MISWIRING CAN CAUSE SERIOUS ELECTRICAL HAZARD AND POTENTIAL DAMAGE OR RUPTURE OF COMPONENT ELECTRICAL PARTS.

DEAE-10